



Attorney's Docket No. 006601.P019X3

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Emir Gurur

Application No.: 09/895,787

Filed: June 30, 2001

For: METHOD OF UNIFORMLY COATING
A SUBSTRATE

Examiner: Gilliam, Barbara Lee

Art Unit: 1752

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed). It is respectfully requested that the cited documents be considered, made of record as cumulative, and that the enclosed copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

Pursuant to 37 C.F.R. § 1.97, the submission of this Information

Disclosure Statement is not to be construed as a representation that a search

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on March 10, 2005.

(Date of Deposit)

Vanessa Sanchez

(Typed or printed name of person mailing correspondence)

(Signature of person mailing correspondence)

(Date)

has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

_____ 37 C.F.R. §1.97(b).

_____ 37 C.F.R. §1.97(c). If so, then enclosed with this Information Disclosure Statement is one of the following:

_____ A statement pursuant to 37 C.F.R. §1.97(e) or

_____ A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).

 x 37 C.F.R. §1.97(d). If so, then enclosed with this Information Disclosure Statement are the following:

- (1) A statement pursuant to 37 C.F.R. §1.97(e); and
- (2) A check for \$180.00 for the fee under 37 C.F.R. §1.17(p) for submission of the Information Disclosure Statement.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 3/10, 2005



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**FEE TRANSMITTAL FOR FY 2005**

Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

TOTAL AMOUNT OF PAYMENT (\$) 180.00

Complete if Known:

Application No. 09/895,787
Filing Date June 30, 2001
First Named Inventor Emir Gurer
Examiner Name Gilliam, Barbara Lee
Art Unit 1752
Attorney Docket No. 006601.P019X3

 Applicant claims small entity status. See 37 CFR 1.27.**METHOD OF PAYMENT** (check all that apply)☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify) Deposit AccountDeposit Account Number : 02-2666Deposit Account Name: ☒ The Director is Authorized to do the following with respect to the above-identified Deposit Account:☐ Charge fee(s) indicated below.☒ Charge any additional fee(s) or underpayment of fee(s) during the pendency of this application.☐ Charge fee(s) indicated below except for the filing fee☒ Credit any overpayments.☒ Any concurrent or future reply that requires a petition for extension of time should be treated as incorporating an appropriate petition for extension of time and all required fees should be charged.

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Provide credit card information and authorization on PTO-2038.

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

<u>Large Entity</u>		<u>Small Entity</u>		<u>Fee Description</u>		<u>Fees Paid (\$)</u>
<u>Fee Code</u>	<u>Fee (\$)</u>	<u>Fee Code</u>	<u>Fee (\$)</u>			
1011	300	2011	150	Utility application filing fee		
1111	500	2111	250	Utility search fee	1,000/500	
1311	200	2311	100	Utility examination fee		
1012	200	2012	100	Design application filing fee		
1112	100	2112	50	Design search fee	430/215	
1312	130	2312	65	Design examination fee		
1013	200	2013	100	Plant filing fee		
1113	300	2113	150	Plant search fee	660/330	
1313	160	2313	80	Plant examination fee		
1004	300	2004	150	Reissue filing fee		
1114	500	2114	250	Reissue search fee	1,400/700	
1314	600	2314	300	Reissue examination fee		
1005	200	2005	100	Provisional application filing fee		
SUBTOTAL (1) \$ 0.00						

2. EXCESS CLAIM FEES

		<u>Extra Claims</u>	<u>Fee from below</u>	<u>Fees Paid (\$)</u>
Total Claims	_____ - 20 or HP = _____		X \$50.00	= _____
HP = highest number of total claims paid for, if greater than 20				
Independent Claims	_____ - 3 or HP = _____		X \$200.00	= _____
HP = highest number of independent claims paid for, if greater than 3				
Multiple Dependent Claims				= _____

<u>Large Entity</u>		<u>Small Entity</u>		
Fee Code	Fee (\$)	Fee Code	Fee (\$)	<u>Fee Description</u>
1202	50	2202	25	Each claim over 20
1201	200	2201	100	Each independent claim over 3
1203	360	2203	180	Multiple dependent claims, if not paid
1204	200	2204	100	Reissue: each claim over 20 and more than in the original patent
1205	50	2205	25	Reissue: each independent claim more than in the original patent

SUBTOTAL (2) \$ 0.00

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<u>Total Sheets</u>	<u>Extra Sheets</u>	<u>Number of each add'l 50 or fraction thereof</u>	<u>Fee from below</u>	<u>Fees paid (\$)</u>
_____	- 100 = _____	/ 50 = _____ (round up to whole number)	X \$250.00	_____

<u>Large Entity</u>		<u>Small Entity</u>		
Fee Code	Fee (\$)	Fee Code	Fee (\$)	<u>Fee Description</u>
1081	250	2081	125	Utility
1082	250	2082	125	Design
1083	250	2083	125	Plant
1084	250	2084	125	Reissue

SUBTOTAL (3) \$ 0.00

FEE CALCULATION (continued)**4. OTHER FEE(S)**

				Fees Paid (\$)	
Non-English Specification, \$130 fee (no small entity discount)					
<u>Large Entity</u>		<u>Small Entity</u>			
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1813	8,800	1813	8,800	Request for inter parties reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	120	2251	60	Extension for reply within first month	
1252	450	2252	225	Extension for reply within second month	
1253	1,020	2253	510	Extension for reply within third month	
1254	1,590	2254	795	Extension for reply within fourth month	
1255	2,160	2255	1,080	Extension for reply within fifth month	
1401	500	2401	250	Notice of Appeal	
1402	500	2402	250	Filing a brief in support of an appeal	
1403	1,000	2403	500	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	500	2452	250	Petition to revive - unavoidable	
1453	1,500	2453	750	Petition to revive - unintentional	
1501	1,400	2501	700	Utility issue fee (or reissue)	
1502	800	2502	400	Design issue fee	
1503	1100	2503	550	Plant issue fee	
1462	400	1462	400	Petitions to the Commissioner (CFR 1.17(f) Group I)	
1463	200	1463	200	Petitions to the Commissioner (CFR 1.17(g) Group II)	
1464	130	1464	130	Petitions to the Commissioner (CFR 1.17(h) Group III)	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180.00
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	790	2809	395	For filing a submission after final rejection (see 37 CFR 1.129(a))	
1814	130	2814	65	Statutory Disclaimer	
1810	790	2810	395	For each additional invention to be examined (see 37 CFR 1.129(b))	
1801	790	2801	395	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
1504	300	1504	300	Publication fee for early, voluntary, or normal pub.	
1505	300	1505	300	Publication fee for republication	
1803	130	1803	130	Request for voluntary publication or republication	
1808	130	1808	130	Processing fee under 37 CFR 1.17(i) (except provisionals)	
1454	1,370	1454	1,370	Acceptance of unintentionally delayed claim for priority	
Other fee (specify) _____					
Other fee (specify) _____					
				SUBTOTAL (4)	\$180.00

*Reduced by Basic Filing Fee Paid

SUBMITTED BY:

Typed or Printed Name: Heather M. Molleur

Signature: H MolleurDate: 3/10/05Reg. Number: 50,432Telephone Number: 408-720-8300

Send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

(use as many sheets as necessary)

Sheet

of

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Application Number	09/895,787
Filing Date	June 30, 2001
First Named Inventor:	Gurer Emir
Art Unit	1752
Examiner Name	Gilliam, Barbara Lee
Attorney Docket Number	006601.P019X3

[illegible]

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		JP 05-021306	01-29-1993	Cannon Sales Co Inc.		
		JP 02-098126	04-10-1990	Oki Electric Ind Co Ltd		
		JP 04-361524	12-15-1992	Toshiba Corp		
		JP 61-02925	06-14-1984	Toyoda Autom Loom Works Ltd		
		JP 63-032921	02-12-1988	Daikin Ind Ltd		

Examiner
Signature

Date Considered

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS.

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Based on Form PTO/SB/08A (08-03) as modified by BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP on 09/10/03.

Sheet 2

STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2

2

of

4

Complete if Known

Application Number

09/895,787

Filing Date

June 30, 2001

First Named Inventor:

Gurer Emir

Art Unit

1752

Examiner Name

Gilliam, Barbara Lee

Attorney Docket Number

006601.P019X3

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		JP 05-166712	07-02-1993	Dainippon Screen Mfg Co Ltd		
		JP 62-225269	10-03-1987	Hitachi Ltd Hitachi Tobu, Semiconductor Ltd		
		JP 05-141058	06-08-1993	Sekisui Chem Co Ltd		

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

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Substitute for Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	09/895,787
				Filing Date	June 30, 2001
				First Named Inventor:	Gurer Emir
				Art Unit	1752
				Examiner Name	Gilliam, Barbara Lee
				Attorney Docket Number	006601.P019X3
Sheet	3	of	4		
NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
		J. VAN SCHOOT et al., "The Mask Error: Causes and Implications for Process Latitude" (Part of the SPIE Conference on Optical Microlithography XII), March 1999, p. 250-260, SPIE Volume 3679, Santa Clara, CA.			
		F.M. SCHELLENBERG et al., "Impact of Mask Error on Full Chip Error Budgets", (Part of the SPIE Conference on Optical Microlithography XII), March 1999, p. 261-275, SPIE Volume 3679, Santa Clara, CA.			
		M.S. KRISHNA et al., "Characterization of Advanced DUV PhotoResists", (Part of the SPIE Conference on Advances in Resist Technology and Processing XVI), March 1999, p. 607-614, SPIE Volume 3678, Santa Clara, CA.			
		J. LEWELLEN et al., "Effect of PEB Temperature Profile on CD and DUV Resists", (Part of the SPIE Conference on Process, Equipment, and Materials Control in Integrated Circuit Manufacturing V), March 1999, p. 45-54, SPIE Volume 3882, Santa Clara, CA.			
		D.E. BORNSIDE et al., "Spin Coating: One-dimensional mode", J. Appl. Phys. 66(11), December 1989, p. 5185-5193, American Institute of Physics.			
		R. KOBAYASHI et al., "Contributed Papers – Spiral Vortices in boundary Layer Transition Regime on a Rotating Disk" Acta Mechanica, 1980, p. 35, 71-82 (14 pages total), Volume 35/1-2, Springer-Verlag, Wien, New York.			
		R.M. CROWELL, "Determining Photoresist Coat Sensitivities of 300 mm Wafers", February 1998, p. 414-419 (7 pages total) SPIE Volume 3331, Santa Clara, CA.			
		B. LOREFICE et al., "How to Minimize Resist Usage During Spin Coating", Semiconductor International, June 1998, p.179-190 (14 pages total), Volume 21, Number 6.			
		L. PETERS, "Solving the Integration Challenges of Low-K Dielectrics", November 1999, p. 56-64 (11 pages total), Semiconductor International, Volume 22, Number 13.			
		D.E. BORNSIDE, "Spin Coating", August 1988, (201 pages total), Ph.D. Thesis, University of Minnesota.			
		J. DERKSEN, "A New Coating Method for Semiconductor Lithography: Fluid Layer Overlap in Extrusion-Spin Coating", June 1997, (67 pages total), Massachusetts Institute of Technology.			

Examiner Signature	Date Considered	
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*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English Translation is attached.
 This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.
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[illegible]

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